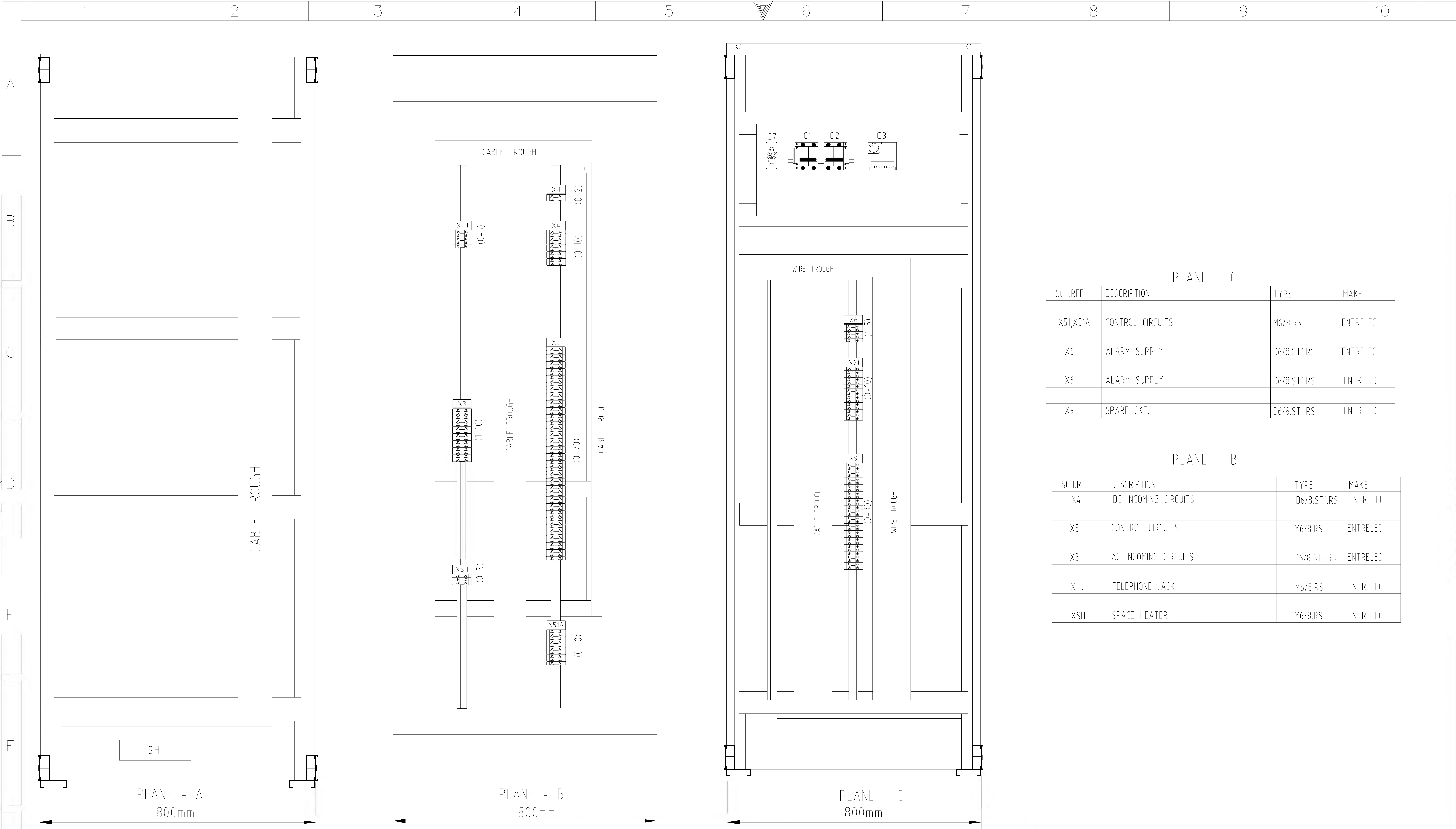


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A	<div><div>ABB</div><div>POWER SYSTEMS NETWORK MANAGEMENT PROTECTION AND SUBSTATION AUTOMATION SYSTEMS WBS NO: S-13656</div></div>						
B							
C	<div>CONTRACTOR : ABB Contracting Company</div> <div>CLIENT : National Grid sa</div>						
D	<div>PROJECT : CONSTRUCTION OF NEW 132/13.8kV SS 8709</div> <div>SUBSTATION : S/S 8709</div>						
E	<div>CONTRACT NO. : 11131113/00</div> <div>TITLE : Assembly Drawing - +UFLS02 [U/F LOAD</div>						
F							

AS-BUILT BY _____ DATE _____			CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		ASSEMBLY DRAWING	
G	01	13 48	AS MANUFACTURED		DRAWN BY RIZ CHECKED BY KVR		13.8kV U/F LOAD SHEDDING - +UFLS02	
	00	13 04	FOR APPROVAL		DATE STARTED 24.01.2013 DATE COMPLETED _____		S/S 8709 - 132/13.8KV IN AL-KHARJ CITY	
	REV. NO.	DATE	DESCRIPTION		OPRG. DEPT. CTPD ENG. DEPT. AUT-PSAC		RIYADH SAUDI ARABIA	











PLANE - C			
SCH.REF	DESCRIPTION	TYPE	MAKE
X51,X51A	CONTROL CIRCUITS	M6/8.RS	ENTRELEC
X6	ALARM SUPPLY	D6/8.ST1.RS	ENTRELEC
X61	ALARM SUPPLY	D6/8.ST1.RS	ENTRELEC
X9	SPARE CKT.	D6/8.ST1.RS	ENTRELEC

PLANE - B			
SCH.REF	DESCRIPTION	TYPE	MAKE
X4	DC INCOMING CIRCUITS	D6/8.ST1.RS	ENTRELEC
X5	CONTROL CIRCUITS	M6/8.RS	ENTRELEC
X3	AC INCOMING CIRCUITS	D6/8.ST1.RS	ENTRELEC
XTJ	TELEPHONE JACK	M6/8.RS	ENTRELEC
XSH	SPACE HEATER	M6/8.RS	ENTRELEC

AS-BUILT BY _____ DATE _____			CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		ASSEMBLY DRAWING		<div>الشركة الوطنية لنقل الكهرباء</div> <div>نقل الكهرباء</div> <div>National Grid sa</div>	
DRAWN BY RIZ CHECKED BY KVR			DATE STARTED 24.01.2013 DATE COMPLETED _____		13.8kV U/F LOAD SHEDDING - +UFLS02		S/S 8709 - 132/13.8KV IN AL-KHARJ CITY			
REV. NO. DATE DESCRIPTION			OPRG. DEPT. CTPD ENG. DEPT. AUT-PSAC		SAUDI ARABIA		INDEX -		PLANT NO. C421	
							DRAWING NUMBER CD-322965		SHEET NO. SHT CONT. G02 NIL	
									REV. NO. 01	

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G	<table><tr><td colspan="3">AS-BUILT BY _____ DATE _____</td><td colspan="2">CONTRACT NO. 11131113/00</td><td colspan="2">JOB ORDER NO. S-13656</td><td colspan="3">LIST OF APPARATUS</td><td colspan="2"><div>الشركة الوطنية لنقل الكهرباء</div><div> نقل الكهرباء National Grid sa</div></td></tr><tr><td></td><td></td><td></td><td colspan="2">DRAWN BY RIZ</td><td colspan="2">CHECKED BY KVR</td><td colspan="3">13.8kV U/F LOAD SHEDDING - +UFLS02</td><td colspan="2"></td></tr><tr><td></td><td>01</td><td>13 48</td><td colspan="2">AS MANUFACTURED</td><td colspan="2">DATE STARTED 24.01.2013</td><td colspan="2">DATE COMPLETED _____</td><td colspan="3">S/S 8709 - 132/13.8KV IN AL-KHARJ CITY</td></tr><tr><td></td><td>00</td><td>13 04</td><td colspan="2">FOR APPROVAL</td><td colspan="2">OPRG. DEPT. CTPD</td><td colspan="2">ENG. DEPT. AUT-PSAC</td><td colspan="3">RIYADH SAUDI ARABIA</td></tr><tr><td></td><td>REV. NO.</td><td>DATE</td><td colspan="2">DESCRIPTION</td><td colspan="2"></td><td colspan="2"></td><td>INDEX</td><td>PLANT NO.</td><td>DRAWING NUMBER</td><td>SHEET NO.</td><td>REV. NO.</td></tr><tr><td></td><td></td><td></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td>-</td><td>C421</td><td>CD-322965</td><td>L00 L01</td><td>01</td></tr></table>										AS-BUILT BY _____ DATE _____			CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		LIST OF APPARATUS			<div>الشركة الوطنية لنقل الكهرباء</div> <div> نقل الكهرباء National Grid sa</div>					DRAWN BY RIZ		CHECKED BY KVR		13.8kV U/F LOAD SHEDDING - +UFLS02						01	13 48	AS MANUFACTURED		DATE STARTED 24.01.2013		DATE COMPLETED _____		S/S 8709 - 132/13.8KV IN AL-KHARJ CITY				00	13 04	FOR APPROVAL		OPRG. DEPT. CTPD		ENG. DEPT. AUT-PSAC		RIYADH SAUDI ARABIA				REV. NO.	DATE	DESCRIPTION						INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.	REV. NO.										-	C421	CD-322965	L00 L01	01
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AS-BUILT BY \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACT NO. 11131113/00

JOB ORDER NO. S-13656

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AS MANUFACTURED  
FOR APPROVAL

REV. NO.

DATE

DESCRIPTION

DRAWN BY RIZ

CHECKED BY KVR

DATE STARTED 24.01.2013

DATE COMPLETED \_\_\_\_\_

OPRG. DEPT. CTPD

ENG. DEPT. AUT-PSAC

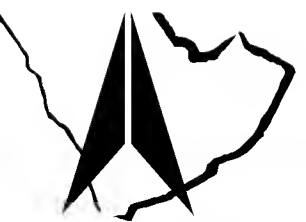
LIST OF APPARATUS

13.8kV U/F LOAD SHEDDING - +UFLS02

S/S 8709 - 132/13.8KV IN AL-KHARJ CITY

RIYADH SAUDI ARABIA

الشركة الوطنية لنقل الكهرباء

 **نقل الكهرباء**  
National Grid sa

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LABEL REF.	LABEL ENGRAVING	MATERIALS	ENGRAVING	LABEL SIZE	LETTER SIZE
U05.5001	U05.5001 94A-1.1	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm
U05.5002	U05.5001 94A-1.2	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm
U05.5003	U05.5001 94A-2.1	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND		
U05.5004	U05.5001 94A-2.2	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND		
U05.5005	U05.5001 94A-3	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND		
U05.5006	U05.5001 94A-4	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND		
U09.5001	U09.5001 S01	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND		
U09.5002	U09.5002 S02	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND		
U09.5003	U09.5003 S03	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND		
U09.5004	U09.5004 L1	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND		
U17.101	U17.101 74UF	ALUMINUM PAPER FOIL	BLACK LETTERS	50X10mm	3mm
U17.113	U17.113 CIX	ALUMINUM PAPER FOIL	BLACK LETTERS	50X10mm	3mm

AS-BUILT BY \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACT NO. 11131113/00

JOB ORDER NO. S-13656

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FOR APPROVAL

REV. NO.

DATE

DESCRIPTION

DRAWN BY RIZ

CHECKED BY KVR

DATE STARTED 24.01.2013

DATE COMPLETED \_\_\_\_\_

OPRG. DEPT. CTPD

ENG. DEPT. AUT-PSAC

LIST OF APPARATUS

13.8kV U/F LOAD SHEDDING - +UFLS02

S/S 8709 - 132/13.8KV IN AL-KHARJ CITY

RIYADH SAUDI ARABIA

الشركة الوطنية لنقل الكهرباء

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LABEL REF.	LABEL ENGRAVING	MATERIALS	ENGRAVING	LABEL SIZE	LETTER SIZE
C1	C1 127V AC SUPPLY MCB	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm
C2	C2 220V AC SUPPLY MCB	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm
C3	C3 THERMOSTAT	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm
C7	C7 ON/OFF SWITCH	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm
DS	DS DOOR SWITCH	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm
IL	IL ILLUMINATION LAMP	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm
SH	SH SPACE HEATER	TRAFOLITE	BLACK LETTERS ON WHITE BACKGROUND	50X15mm	4mm

G	AS-BUILT BY _____ DATE _____		CONTRACT NO. 11131113/00	JOB ORDER NO. S-13656	LIST OF APPARATUS		الشركة الوطنية لنقل الكهرباء				 نقل الكهرباء National Grid SA	
	01	13 48	AS MANUFACTURED	DRAWN BY RIZ	CHECKED BY KVR	13.8kV U/F LOAD SHEDDING - +UFLS02	INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.		REV. NO.
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	REV. NO.	DATE	DESCRIPTION	OPRG. DEPT. CTPD	ENG. DEPT. AUT-PSAC	RIYADH				SAUDI ARABIA	L07	

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A			POWER SYSTEMS NETWORK MANAGEMENT PROTECTION AND SUBSTATION AUTOMATION SYSTEMS WBS NO: S-13656					ABB AUTOMATION COMPANY LTD., 414, AL-KHARJ ROAD SECOND INDUSTRIAL CITY RIYADH-11383 K.S.A																																										
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CONTENTS	ABB SHT.NO.	REV.00	REV.01	REV.02
COVER SHEET	000	X		
CONTENTS SHEET	001	X		
GRAPHICAL SYMBOLS FOR DIAGRAMS	011	X		
GRAPHICAL SYMBOLS FOR DIAGRAMS	012	X		
COMMON LEGEND	013	X		
FERRULE AND WIRING DETAILS	014	X		
DRAWING REFERENCE	015	X		
DRAWING REFERENCE	016	X		
AC SUPPLY FOR ILLUMINATION & POWER SOCKET	211	X		
CUB.LIGHTING ,HEATER & SOCKET ALARM CKT.	212	X		
DC SUPPLY DISTRIBUTION- BUS C	216	X		
TRIP RELAY-BUS C	221	X		
TRIP RELAY-BUS C	222	X		
TRIP RELAY-BUS C	223	X		
ST-1&2- BUS C OUTPUT CONTACTS	228	X		
ST-1&2- BUS C OUTPUT CONTACTS	229	X		
ST-1,2,3&4- BUS C OUTPUT CONTACTS	230	X		
ST-3&4- BUS B&C OUTPUT CONTACTS	231	X		
SPARE CONTACTS	293	X		
TERMINAL BLOCK ALLOCATION	301	X		

G	AS-BUILT BY _____ DATE _____			CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		CONTENT SHEET		<div>الشركة الوطنية لنقل الكهرباء</div> <div>نقل الكهرباء</div> <div>National Grid sa</div>						
				DRAWN BY RIZ		CHECKED BY KVR		13.8kV U/F LOAD SHEDDING - +UFLS02		INDEX	PLANT NO.	DRAWING NUMBER		SHEET NO.		REV. NO.
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colspan="2">MAKE CONTACT DELAYED WHEN RELEASING</td><td colspan="2"></td><td colspan="2">MECHANICAL INDICATOR WITH AUTOMATIC RESET</td></tr><tr><td colspan="2"></td><td colspan="2">RESISTOR WITH PRESET ADJUSTMENT</td><td colspan="2"></td><td colspan="2">TWO MECHANICAL LINKS CROSSING WITHOUT CONNECTION</td><td colspan="2"></td><td colspan="2">MECHANICAL INDICATOR WITH NON-AUTOMATIC RESET</td></tr><tr><td colspan="2"></td><td colspan="2">CAPACITOR</td><td colspan="2"></td><td colspan="2">JUNCTION OF MECHANICAL LINKS</td><td colspan="2"></td><td colspan="2">ELECTRICALLY CONTROLLED MECHANICAL INDICATOR WITH AUTOMATIC RESET</td></tr><tr><td colspan="2"></td><td colspan="2">SEMICONDUCTOR DIODE USED AS A CAPACITIVE DEVICE</td><td colspan="2"></td><td colspan="2">AUTOMATIC RESET</td><td colspan="2"></td><td colspan="2">ELECTRICALLY CONTROLLED MECHANICAL INDICATOR WITH NON-AUTOMATIC RESET</td></tr><tr><td colspan="2"></td><td colspan="2">OPEN CONTACT, MAKE CONTACT</td><td colspan="2"></td><td colspan="2">NON-AUTOMATIC RESET</td><td colspan="2"></td><td colspan="2">RELAY WITH MAKE CONTACT</td></tr><tr><td colspan="2"></td><td colspan="2">CLOSED CONTACT, BREAK CONTACT</td><td colspan="2"></td><td colspan="2">SWITCHING DEVICE WITH MANUAL OPERATION AND WITH AUTOMATIC RESET</td><td colspan="2"></td><td colspan="2">RELAY WITH CHANGE-OVER CONTACT</td></tr><tr><td colspan="2"></td><td colspan="2">CHANGE-OVER CONTACT, BREAK BEFORE MAKE</td><td colspan="2"></td><td colspan="2">SWITCHING DEVICE WITH MANUAL OPERATION AND WITH NON-AUTOMATIC RESET</td><td colspan="2"></td><td colspan="2">ELECTRO-MECHANICAL POSITION INDICATOR WITH ONE DE-ENERGIZED AND ONE OPERATED POSITION</td></tr><tr><td colspan="2"></td><td colspan="2">MAKE CONTACT WHICH IS EARLY WHEN OPERATING AND LATE WHEN RELEASING</td><td colspan="2"></td><td colspan="2">CHANGE-OVER SWITCHING DEVICE WITH MANUAL CONTROL AUTOMATIC RESET FROM POSITION 1-2 TO THE NEUTRAL POSITION</td><td colspan="2"></td><td 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INDICATOR WITH NON-AUTOMATIC RESET				CAPACITOR				JUNCTION OF MECHANICAL LINKS				ELECTRICALLY CONTROLLED MECHANICAL INDICATOR WITH AUTOMATIC RESET				SEMICONDUCTOR DIODE USED AS A CAPACITIVE DEVICE				AUTOMATIC RESET				ELECTRICALLY CONTROLLED MECHANICAL INDICATOR WITH NON-AUTOMATIC RESET				OPEN CONTACT, MAKE CONTACT				NON-AUTOMATIC RESET				RELAY WITH MAKE CONTACT				CLOSED CONTACT, BREAK CONTACT				SWITCHING DEVICE WITH MANUAL OPERATION AND WITH AUTOMATIC RESET				RELAY WITH CHANGE-OVER CONTACT				CHANGE-OVER CONTACT, BREAK BEFORE MAKE				SWITCHING DEVICE WITH MANUAL OPERATION AND WITH NON-AUTOMATIC RESET				ELECTRO-MECHANICAL POSITION INDICATOR WITH ONE DE-ENERGIZED AND ONE OPERATED POSITION				MAKE CONTACT WHICH IS EARLY WHEN OPERATING AND LATE WHEN RELEASING				CHANGE-OVER SWITCHING DEVICE WITH MANUAL CONTROL AUTOMATIC RESET FROM POSITION 1-2 TO THE NEUTRAL POSITION				ELECTRO-MECHANICAL POSITION INDICATOR WITH ONE DE-ENERGIZED AND TWO OPERATED POSITION				BREAK CONTACT WHICH 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A	<div>LEGENDS</div>										
B	*R1	DC SUPPLY - MAIN PROTECTION / TCS	ON	CB NORMALLY OPEN AUXILIARY CONTACT							
	*R2	DC SUPPLY - SECONDARY PROTECTION / TCS	OFF	CB NORMALLY CLOSED AUXILIARY CONTACT							
	*R3	DC SUPPLY - BACK UP PROTECTION	A	COMMON							
C	±LSC	DC SUPPLY - LOAD SHEDDING CONTROL	T	TEST POSITION							
	*S1	DC SUPPLY - ALARM UNIT - 1	S	SERVICE POSITION							
	*S2	DC SUPPLY - ALARM UNIT - 2	CS	CLOSE IN SERVICE POSITION							
	*S3	DC SUPPLY - ALARM UNIT - 3	CT	CLOSE IN TEST POSITION							
	*S4	DC SUPPLY - ALARM UNIT - 4	LS	LOCAL SERVICE							
	ISC*	DC SUPPLY - INDICATIONS IN CONTROL PANEL	LT	LOCAL TEST							
	ISCL	DC SUPPLY - LAMP TEST IN CONTROL PANEL	LC	LOCAL CLOSE							
	ISR*	DC SUPPLY - INDICATIONS IN RELAY PANEL	LO	LOCAL OPEN							
	ISRL	DC SUPPLY - LAMP TEST IN RELAY PANEL	RO	REMOTE OPEN							
	FL	DC SUPPLY - FLASHING CIRCUIT									
	BB RS*	DC SUPPLY - BUS BAR - PROTECTION RESET									
	BB CBF*/CBF*	DC SUPPLY - CBF PROTECTION									
	FR1*	DC SUPPLY - FAULT RECORDER - 1									
	FR2*	DC SUPPLY - FAULT RECORDER - 2									
	ANN*	DC SUPPLY - ALARM UNITS									
D	AD	ACKNOWLEDGE BUS - ALARM SYSTEM									
	R	RESET BUS - ALARM SYSTEM									
	CR	CONTROL ROOM									
	ECC	ENERGY CONTROL CENTRE									
	LOCAL	THE LOCATION OF CONTROLLED DEVICE									
	REMOTE	ANY OTHER LOCATION NOT LOCAL									
	XECC	CB / ISOLATOR ZYX - CONTROL COMMON TO SCADA									
	XECCC	CB / ISOLATOR ZYX - CONTROL CLOSE FROM SCADA									
	XECCO	CB / ISOLATOR ZYX - CONTROL OPEN FROM SCADA									
	XCR	CB / ISOLATOR ZYX - OPERATION FROM CONTROL ROOM									
	XRC	CB / ISOLATOR ZYX - CLOSE FROM REMOTE									
	XRO	CB / ISOLATOR ZYX - OPEN FROM REMOTE									
	XRCT	CB ZYX - REMOTE CLOSE "TEST" POSITION									
	XRCS	CB ZYX - REMOTE CLOSE "SERVICE" POSITION									
	E	XRO	CB ZYX - REMOTE OPEN								
XCRO		CB ZYX - OPEN FROM CONTROL ROOM									
XCRC		CB ZYX - CLOSE FROM CONTROL ROOM									
(ZYX - DENOTES DEVICE NO e.g. 134,136 OR 130 ETC. Ex: 34ECCC DENOTES CLOSING OF ISOLATOR 134 FROM SCADA) 30CRC DENOTES CB 130 CLOSE COMMAND FROM CONTROL ROOM)											
F											

AS-BUILT BY \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACT NO. 11131113/00

JOB ORDER NO. S-13656


COMMON LEGEND

13.8kV U/F LOAD SHEDDING - +UFLS02

S/S 8709 - 132/13.8KV IN AL-KHARJ CITY

RIYADH SAUDI ARABIA

الشركة الوطنية لنقل الكهرباء

 **نقل الكهرباء**  
National Grid sa

INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.	REV. NO.
-	C421	CD-322966	SHT 013 CONT. 014	01

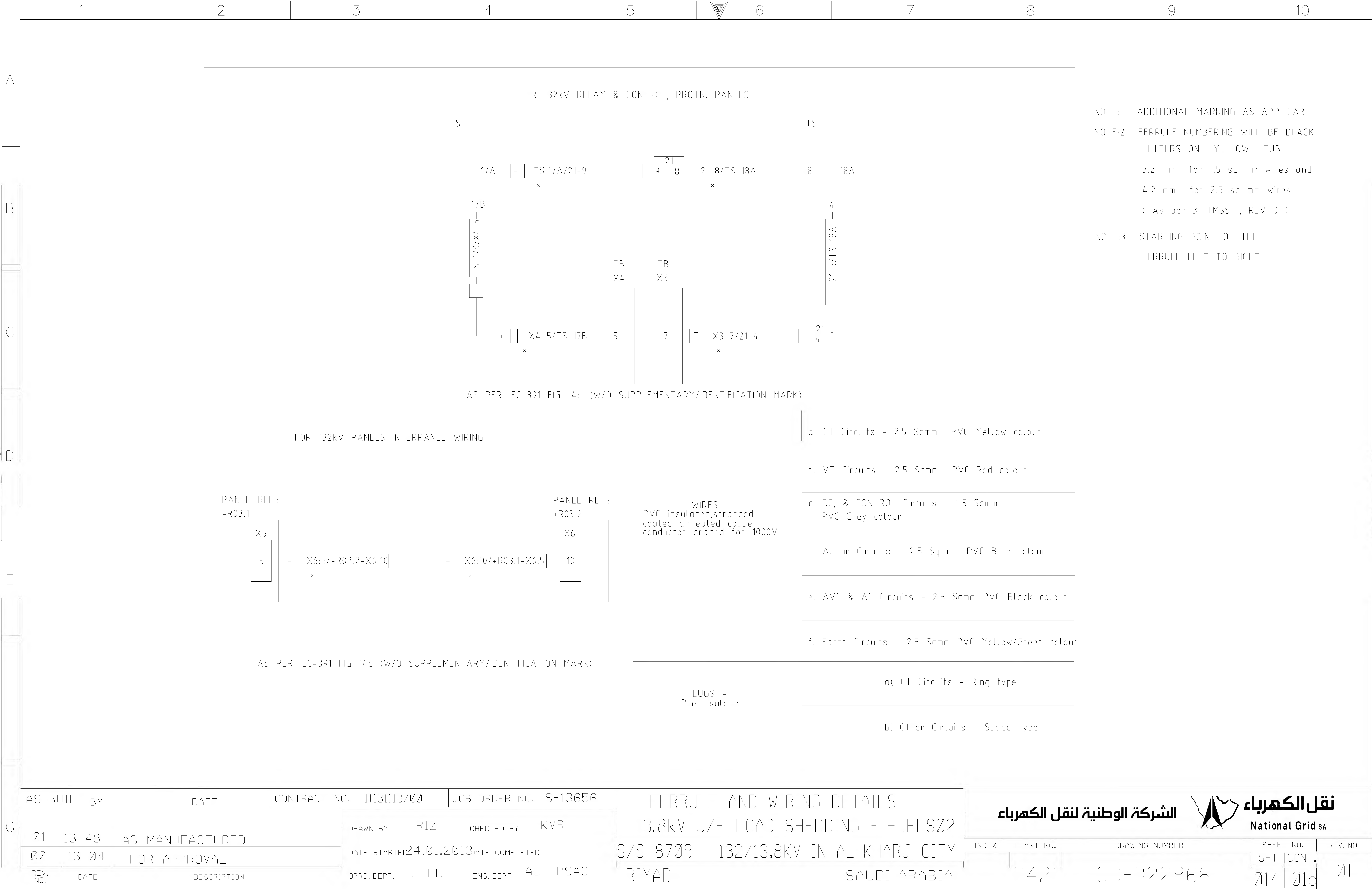
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DMS

VECTOR

NGD200

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ABB

PROTECTION & SUBSTATION  
AUTOMATION

MANUFACTURER	SCHEMATICS DWG.NO	PANEL DESCRIPTION	PANEL REFERENCE
		SS 8709 13.8KV RELAY PANELS	
	CD-322952	13.8KV Capacitor Bank-1 Protection Panel	+CBP-1
	CD-322954	13.8KV Capacitor Bank-2 Protection Panel	+CBP-2
	CD-322956	13.8KV Capacitor Bank-2 Protection Panel	+CBP-3
	CD-322958	13.8 KV ACCS PANEL	+ACCS
	CD-322962	13.8KV ACSE PANEL	+ACSE
	CD-322968	13.8KV Under Voltage Load Shedding Panel	+UVLS
	CD-322964	13.8KV Under Frequency Load Shedding Panel-1	+UFLS01
	CD-322966	13.8KV Under Frequency Load Shedding Panel-2	+UFLS02

AS-BUILT BY _____ DATE _____		CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		DRAWING REFERENCES	
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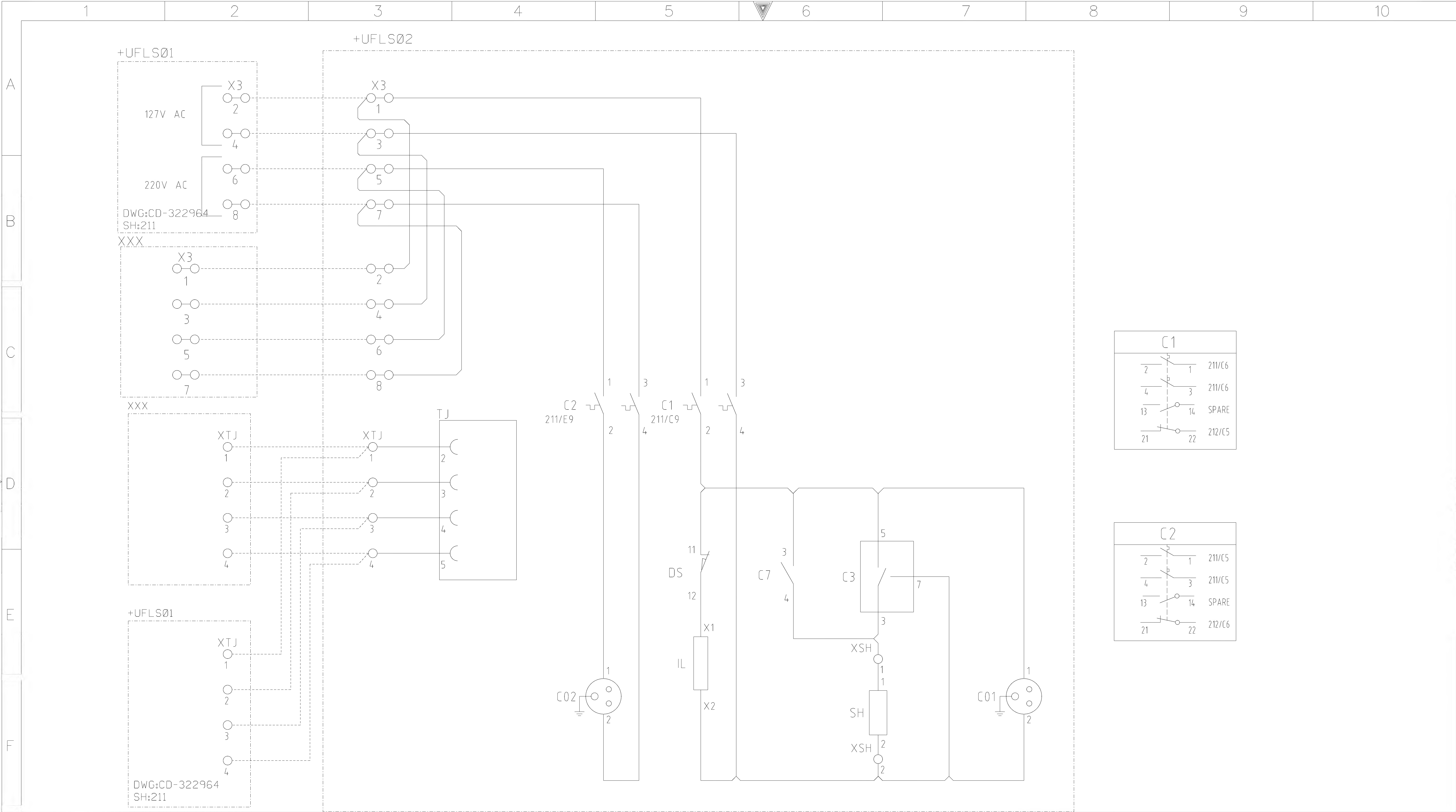


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SHEET NO.		REV. NO.	
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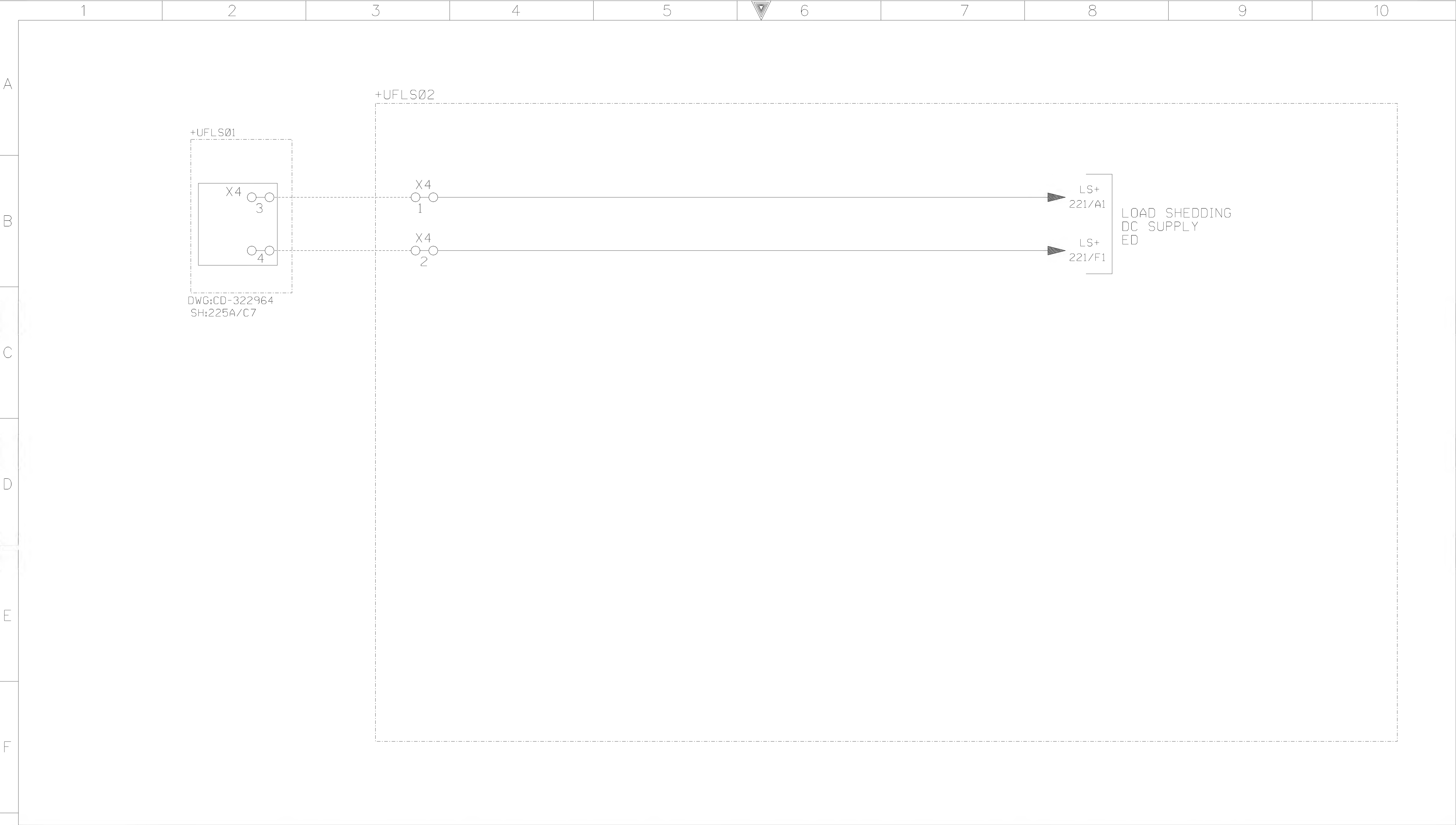
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G	AS-BUILT BY _____ DATE _____		CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		AC SUPPLY FOR ILLUMINATION & POWER SOCKET		<div>الشركة الوطنية لنقل الكهرباء</div> <div>نقل الكهرباء</div> <div>National Grid sa</div>									
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	REV. NO.	DATE	DESCRIPTION														01	

AS-BUILT BY _____ DATE _____			CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		CUB. LIGHTING, HEATER & SOCKET ALARM CKT.		<div><div><div><div><div></div><div>نقل الكهرباء</div><div>National Grid sa</div></div><div>الشركة الوطنية لنقل الكهرباء</div></div></div></div>						
G				DRAWN BY _____ RIZ _____ CHECKED BY _____ KVR		13.8kV U/F LOAD SHEDDING - +UFLS02									
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AS-BUILT BY \_\_\_\_\_ DATE \_\_\_\_\_ CONTRACT NO. 11131113/00 JOB ORDER NO. S-13656

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REV. NO. DATE DESCRIPTION

DRAWN BY RIZ CHECKED BY KVR

DATE STARTED 24.01.2013 DATE COMPLETED \_\_\_\_\_

OPRG. DEPT. CTPD ENG. DEPT. AUT PSAC

DC SUPPLY DISTRIBUTION - BUS C

13.8kV U/F LOAD SHEDDING - +UFLSØ2

S/S 8709 - 132/13.8KV IN AL-KHARJ CITY

RIYADH SAUDI ARABIA

نقل الكهرباء

الشركة الوطنية لنقل الكهرباء

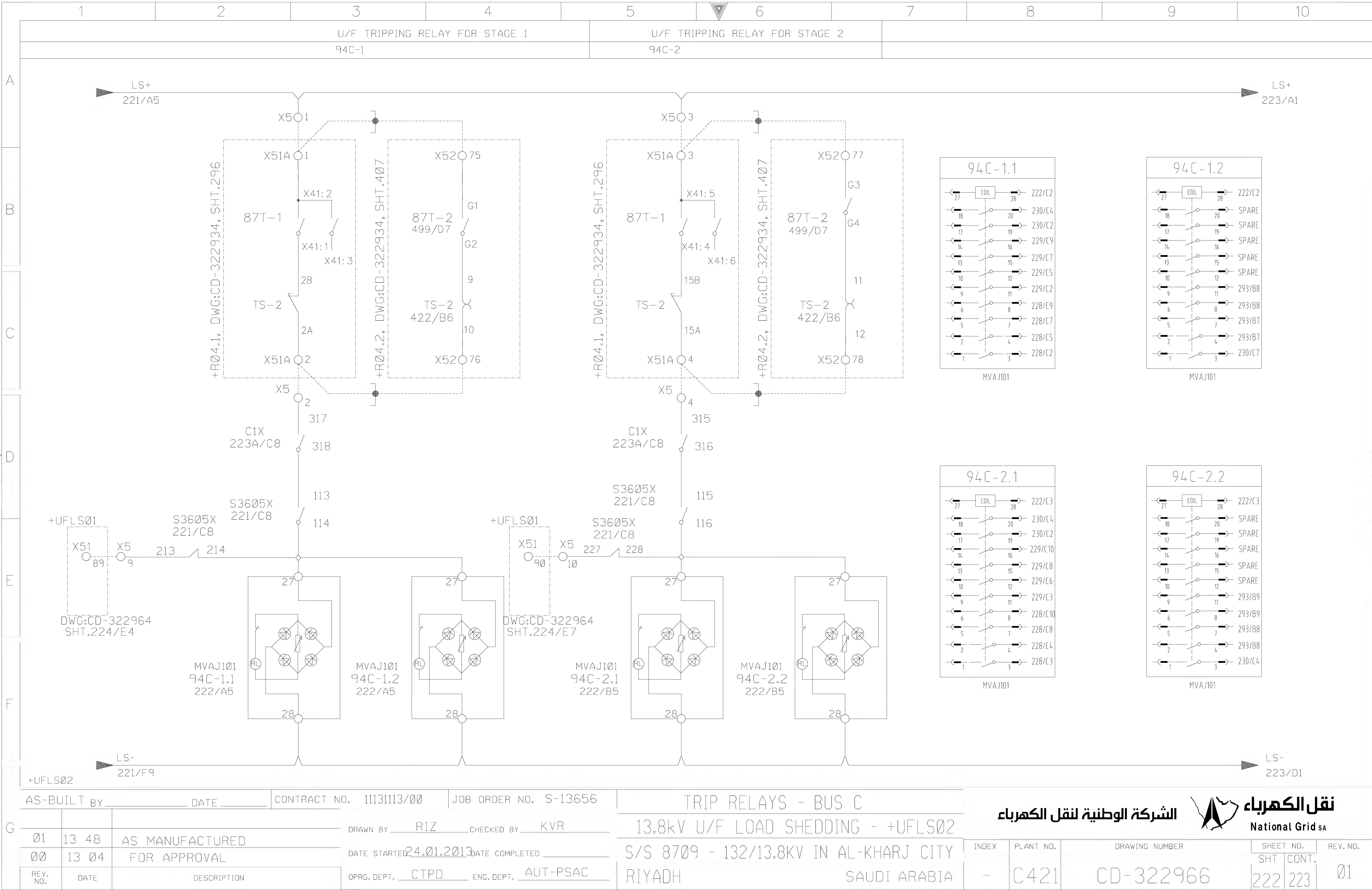
National Grid sa

INDEX PLANT NO. DRAWING NUMBER SHEET NO. REV. NO.

- C421 CD-322966 216 221 Ø1

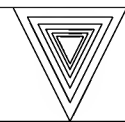
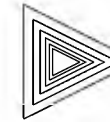
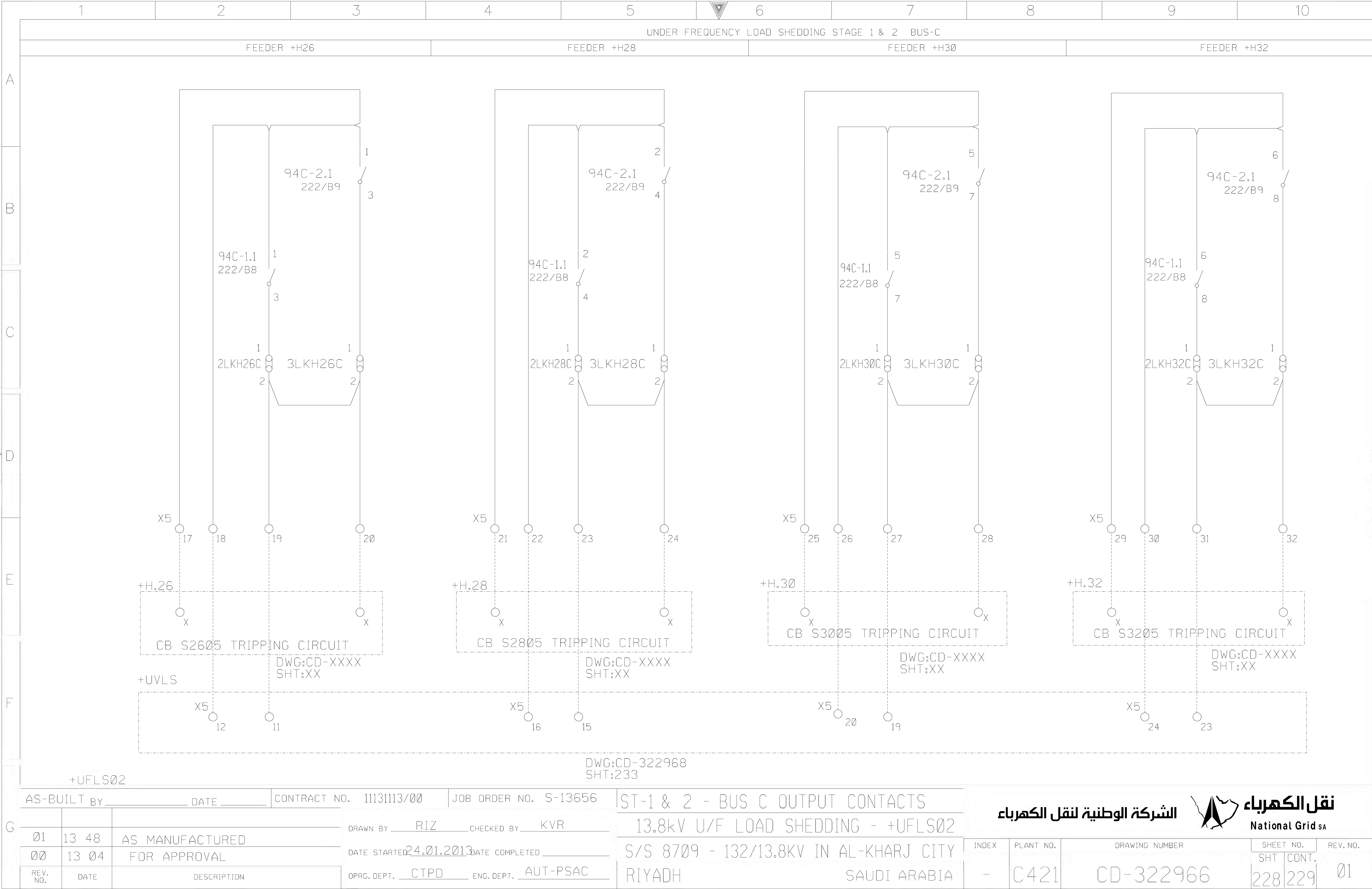






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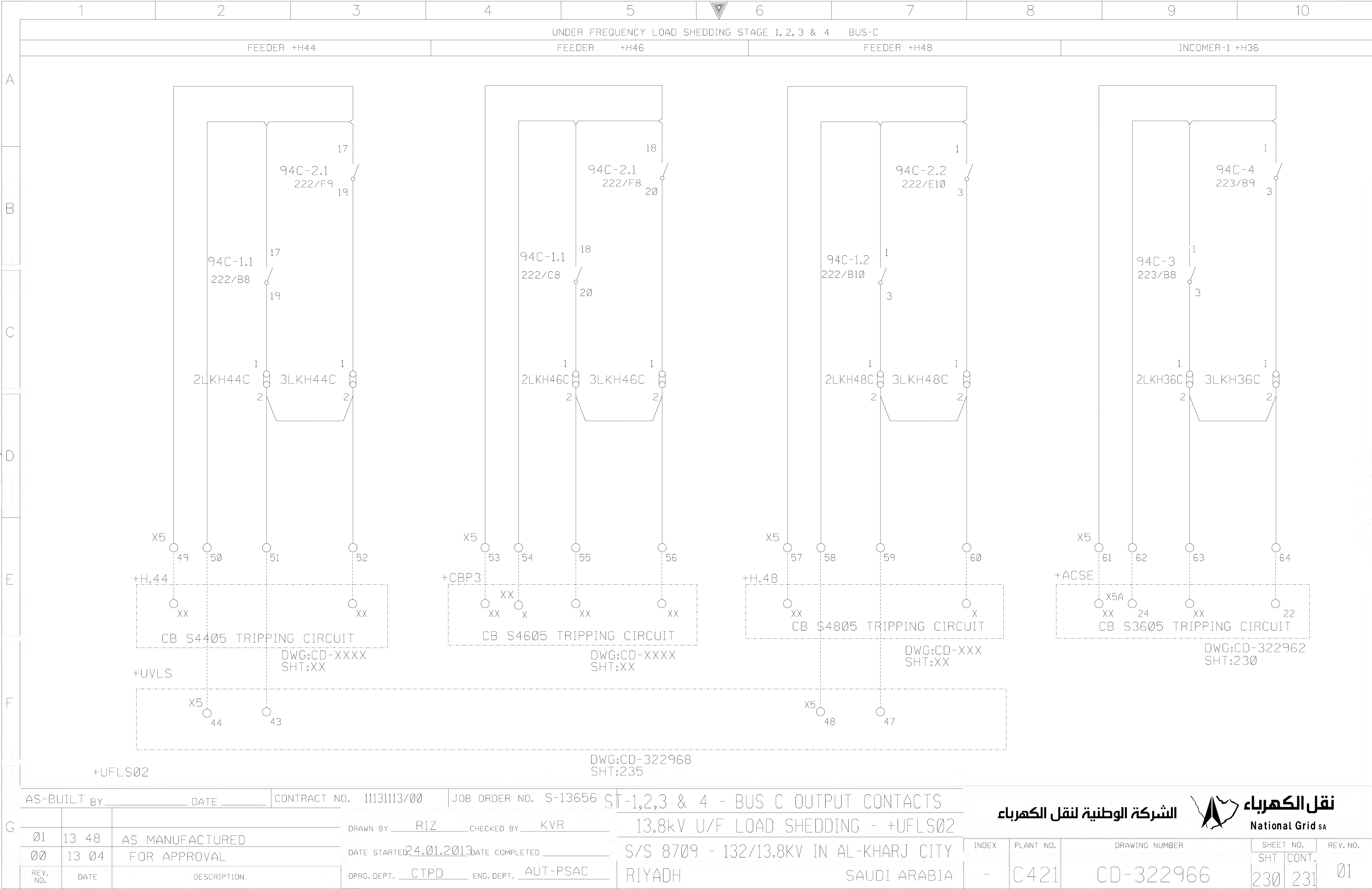


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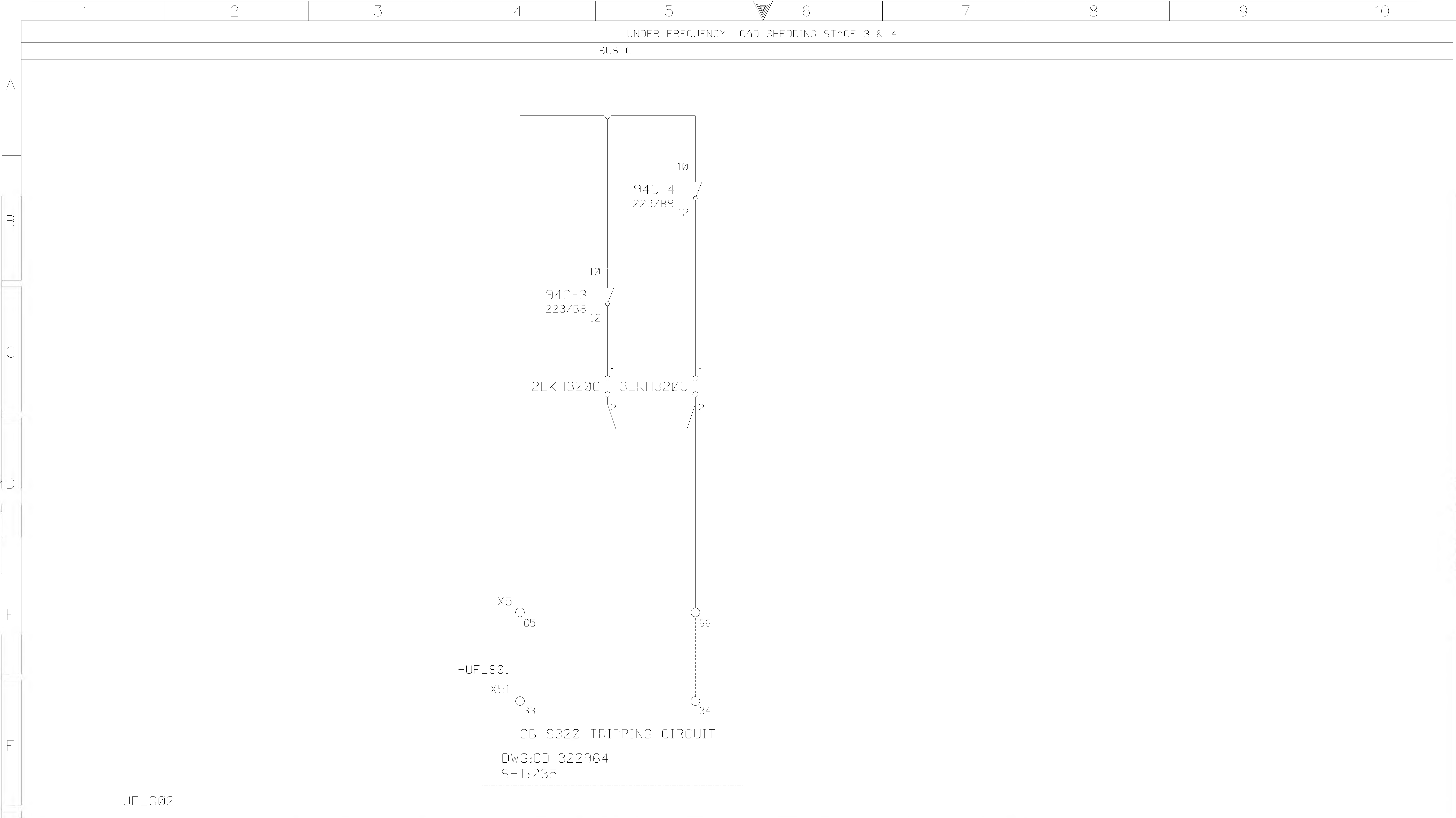






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10

94C-4

223/B9

12

10

94C-3

223/B8

12

1

2LKH320C

2

1

3LKH320C

2

10

94C-4

223/B9

12

10

94C-3

223/B8

12

1

2LKH320C

2

1

3LKH320C

2

X5

65

X51

33

X66

66

X34

34

CB S320 TRIPPING CIRCUIT

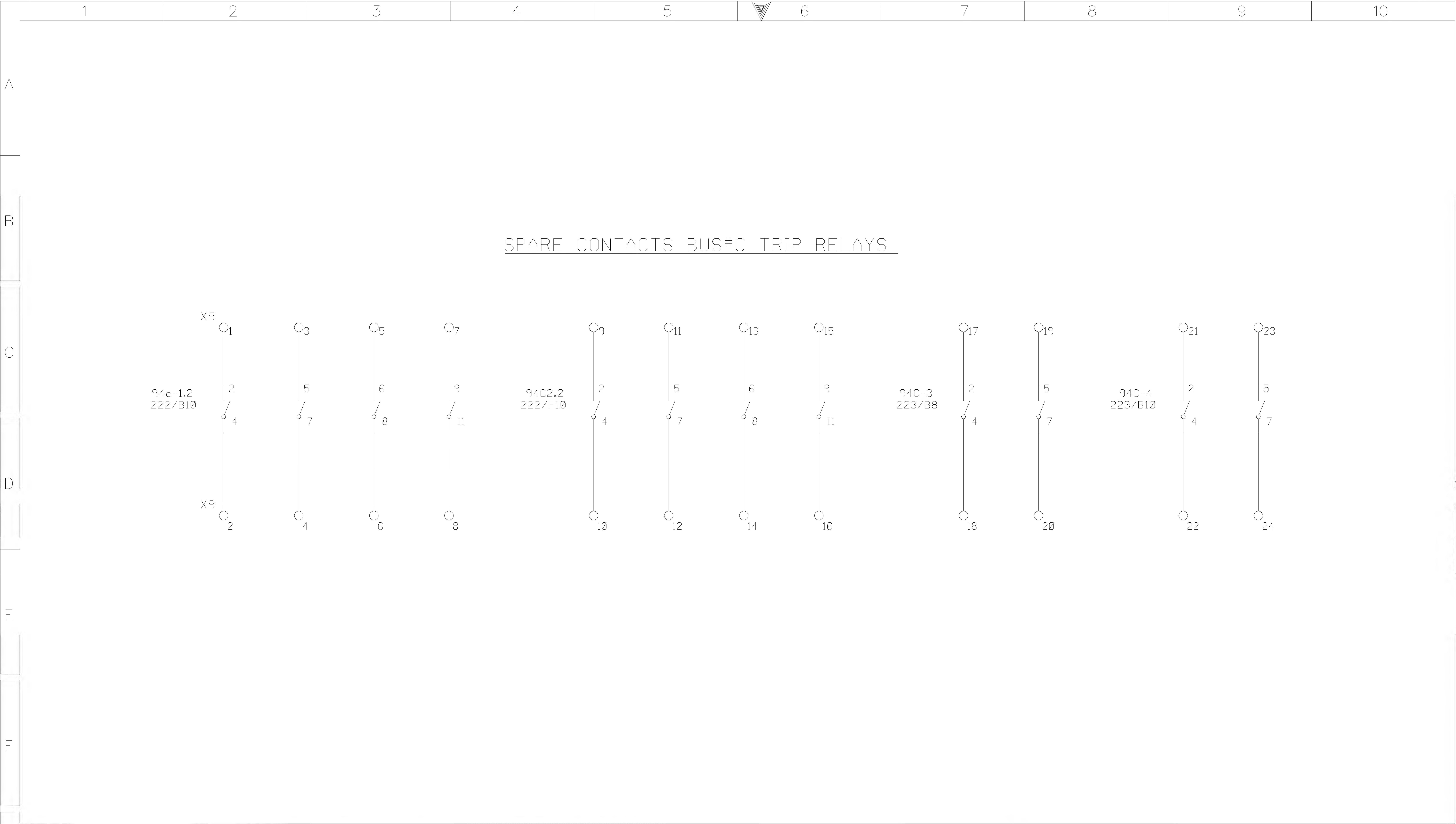
DWG:CD-322964

SHT:235

+UFLS02

+UFLS01

G	AS-BUILT BY _____ DATE _____		CONTRACT NO. 11131113/00	JOB ORDER NO. S-13656	ST-3 & 4 - BUS B & C OUTPUT CONTACTS	<div>الشركة الوطنية لنقل الكهرباء</div> <div> <b>نقل الكهرباء</b> National Grid sa</div>			
	01	13 48	DRAWN BY RIZ CHECKED BY KVR		13.8kV U/F LOAD SHEDDING - +UFLS02				
	00	13 04	DATE STARTED 24.01.2013 DATE COMPLETED _____		S/S 8709 - 132/13.8KV IN AL-KHARJ CITY	INDEX	PLANT NO.	DRAWING NUMBER	
	REV. NO.	DATE	DESCRIPTION		RIYADH SAUDI ARABIA	-	C421	CD-322966	
			OPRG. DEPT. CTPD	ENG. DEPT. AUT-PSAC				SHEET NO.	REV. NO.
								SHT	CONT.
								231	293
								01	



AS-BUILT BY _____ DATE _____			CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		SPARE CONTACTS		
01	13 48	AS MANUFACTURED		DRAWN BY RIZ		CHECKED BY KVR		13.8kV U/F LOAD SHEDDING - +UFLS02	
00	13 04	FOR APPROVAL		DATE STARTED 24.01.2013		DATE COMPLETED _____		S/S 8709 - 132/13.8KV IN AL-KHARJ CITY	
REV. NO.	DATE	DESCRIPTION		OPRG. DEPT. CTPD		ENG. DEPT. AUT-PSAC		RIYADH SAUDI ARABIA	

INDEX	PLANT NO.	DRAWING NUMBER	SHEET NO.		REV. NO.
-	C421	CD-322966	SHT	CONT.	01
			293	301	



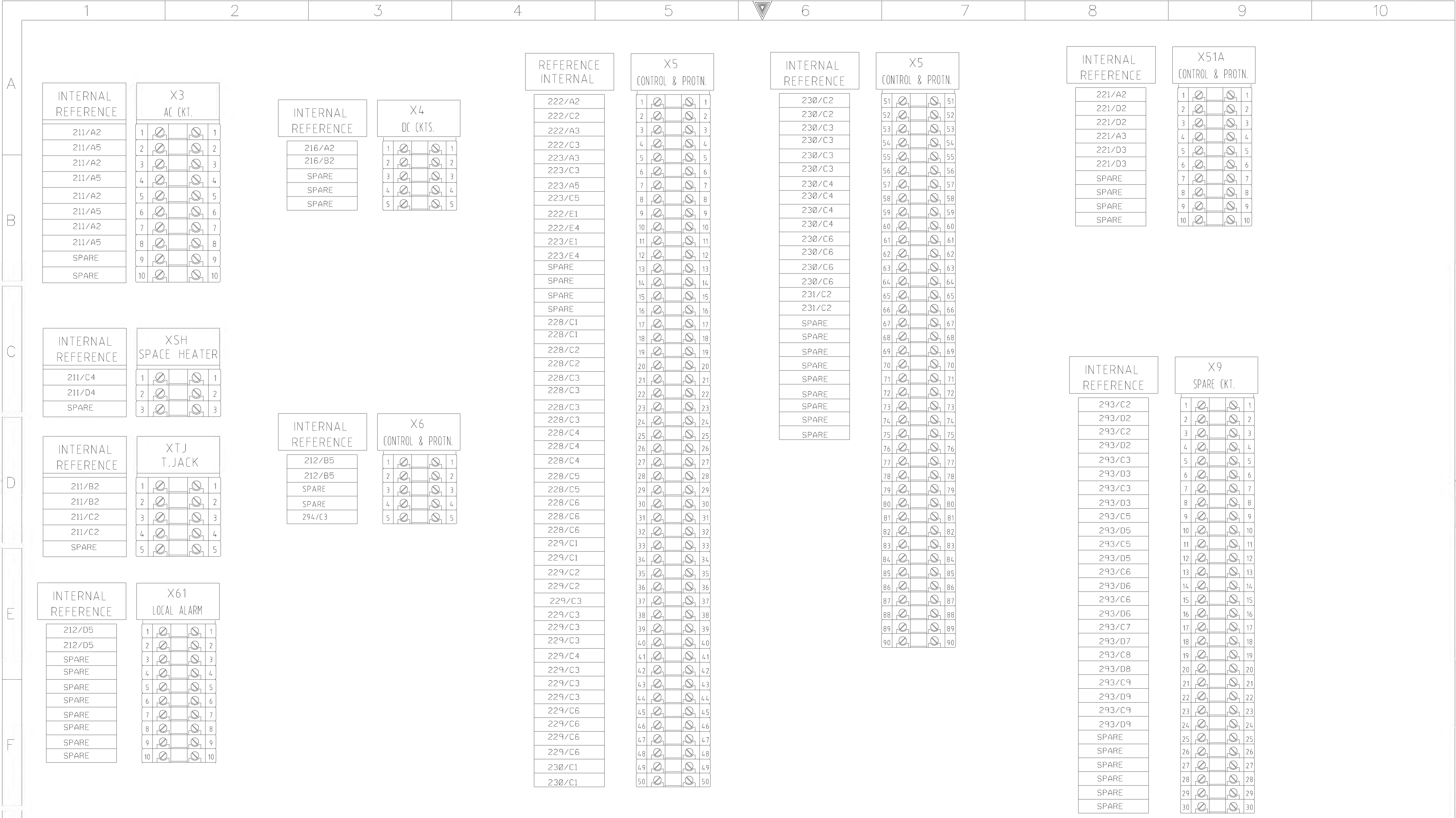
الشركة الوطنية لنقل الكهرباء


NG/D2-D (2012/01)

DMS

VECTOR

NGD200



G	AS-BUILT BY _____ DATE _____		CONTRACT NO. 11131113/00		JOB ORDER NO. S-13656		TERMINAL BLOCK ALLOCATION		<div>الشركة الوطنية لنقل الكهرباء</div> <div>نقل الكهرباء</div> <div>National Grid sa</div>						
					DRAWN BY _____ RIZ _____ CHECKED BY _____ KVR		13.8kV U/F LOAD SHEDDING - +UFLS02								
	01	13 48	AS MANUFACTURED		DATE STARTED 24.01.2013 DATE COMPLETED _____		S/S 8709 - 132/13.8KV IN AL-KHARJ CITY		INDEX	PLANT NO.	DRAWING NUMBER		SHEET NO.		REV. NO.
	00	13 04	FOR APPROVAL		OPRG. DEPT. _____ CTPD _____ ENG. DEPT. _____ AUT-PSAC		RIYADH SAUDI ARABIA		-	C421	CD-322966		SHT	CONT.	01